Author Index of Volume 129

Abram, U., 15
Adams, C. J., L29
Agrawal, S. K., 257
Ahmed, F. R., L11
Aime, S., L23
Ansari, N., L11
Arora, S. K., 39

Beshouri, S. M., 87
Biagini Cingi, M., 217
Bino, A., 273
Blasse, G., 115
Böhmer, W.-H., L5, L9
Borer, L. L., 223
Borrás, J., 103
Brewer, C. T., 25
Brewer, G., 25
Brüggeller, P., L27
Burr, S. H., L29

Casellato, U., 127, 289
Chandrasekhar, P., 51
Chang, C. C., 119
Chang, C. T., 119
Chayat, R., 273
Clark, R. J. H., 163
Cooper, J. B., 25
Cornelissen, J. P., 217
Crouch, A., 31

Douglas, B. E., 199
Dudek, E. P., 149
Dudek, G., 149
du Preez, J. G. H., 289

Enger, S. K., L1

Fanwick, P. E., 87
Farhangi, Y., 7, 11
Ferrer, S., 103
Forkey, D. M., 223
French, A. N., L37
Friebel, C., 81

Galeffi, B., 1
Garner, C. D., L19
Gil, V. M. S., 283
Glazer, P., 149
Gobetto, R., L23
Goel, A. B., L31
Goggin, P. L., 183
Gosling, K., L29
Grand, A., 1
Graziani, R., 127, 289
Guerriero, P., 127
Guo Ao-ling, 227, 235, 245
Gupta, R., 257

Haasnoot, J. G., 205, 217
Hajela, S. K., 257
Hall, M. B., 153
Heller, S., L5, L9
Hilmes, G. L., 123
Hoffmann, R., 51
Huber, W., L45
Hultén, F., L33
Hüttner, U., L5, L9
Hynes, M. J., 61

Iftikhar, K., 261
Imada, Y., 173
Ishibashi, M., 69

Jaitner, P., L45
Jarvinen, G. D., 139
Jiménez, A., 103

Kaden, L., 15
Kang, C. W., 119
Kao, A., 149
Keihl, P. A., 223
Khan, M. A., 75
King, R. B., 91
Kimura, M., 69
Kirmse, R., 15
Kirschenbaum, L. J., 99
Kirsch-De Mesmaeker, A., L13
Köhler, K., 15
Kong, J. V., 223
Krätsmár-Šmogrovič, J., 81
Kurihara, L. K., 277
Kusserow, S., L9

Langford, C. H., 31
Lamprecht, G. J., 21, 35
Leipoldt, J. G., L41, 21, 35
Li Xing-fu, 227, 235, 245
Lorenz, B., 15
Lu Jing-ci, 245

Mabrouk, H. E., 75
McGillivray, G. W., 177
Madeja, K., L5, L9
Manotti Lanfredi, A. M., 217
Mascharak, P. K., 39
Masschelein, A., L13
Massoudipour, M., 253
Mentasti, E., 99
Meyers, G. F., 153
Miyamoto, R., 199
Morisseau, D., 149

Nano, R., L23
Nasielski-Hinkens, R., L13
Nehete, D. T., 253
Newman, A. R., L37
Nunes, M. T., 283

Ōkawa, H., 173

Pandey, K. K., 253
Persaud, L., 31
Persson, I., L33, 47, 183
Plesch, G., 81
Poë, A. J., L17
Postel, M., 1

Reedijk, J., 205, 217
Rey, P., 1
Riehl, J. P., 123
Ritchey, J. M., 139
Rogers, R. D., 277
Roodt, A., L41
Rosenfield, S. G., 39
Rothwell, I. P., 87
Roustan, J. L., L11
Roy, P. S., 265
Roy, R., 265
Ryan, R. R., 139

Saha, M. C., 265
Sandström, M., 183
Santucci, E., L23
Scattergood, C. D., L19
Seddon, K. R., L29
Shen Tian-gi, 227, 235
Shoji, T., L21
Shun Guang-li, 227, 235
Smedley, S. M., L29
Smith, B. F., 139
Smith, W. E., 177
Spek, A. L., 205
Stamp, L., 107
Stoldt, I., L5, L9
Sung-yu, N. K., 119
Sun Peng-nian, 227, 235, 245

© Elsevier Sequoia/Printed in Switzerland

Švajlenová, O., 81
Swaddle, T. W., 21

Tamburini, S., 127
Tanaka, M., 173
Tiripicchio, A., 217
tom Dieck, H., 107
Toohey, M. J., L19
Tuck, D. G., 75
Tutlani, D. R., 257

Utsuno, S., 199

van Eldik, R., L41
van Zyl, G. J., 35
Verhoeven, C., L13
Vigato, P. A., 127
Vreugdenhil, W., 205

Walsh, J., 61
Walton, J. R., 163
Walton, R. A., L1
Weaver, M. J., L1
Wheeler, R. A., 51

Yamamoto, T., L21

Zeelie, B., 289
Zintl, F., 47

Subject Index of Volume 129

Acetate complexes
benzylic acyloxylation of alkyl aromatics using mixed Pd Zn acetate catalyst, L31
synthesis and solid state structure of bis(μ-acetate)-bis(*p*-methylbenzyl)bis(trimethylphosphine)-dimolybdenum (Mo≡Mo), $Mo_2(O_2CCH_3)_2$-CH_2Ph-*p*-Me)$_2(PMe_3)_2$, 87
Acid complexes
new NMR evidence on uranyl–citrate complexes, 283
Aluminium complexes
Zn|Al salt (aq)|MnO_2 galvanic cell with high voltage and high energy density, L21
Amide complexes
synthesis and characterization of UI_4L_2 complexes (L = bulky amide ligands) and crystal structure of UI_4tmu_2 (tmu = tetramethylurea), 289
Amine complexes
reaction of bis(diethylenetriamine)Co(III) with formaldehyde and ammonia, 199
structure and reactivity of $H_3O_2^-$ bridging ligand in *trans*-hydroxoaquabis(ethylenediamine)-Rh(III), L41
Antimony complexes
coordinating properties of some solvents; vibrational spectroscopic study of Hg(II) halides and Sb(V) chloride in solution; new concepts for Lewis basicity scales of solvents, 183
Aqua complexes
structure and reactivity of $H_3O_2^-$ bridging ligand in *trans*-hydroxoaquabis(ethylenediamine)-Rh(III), L41
Aryl complexes
reaction of phenylmercury acetate with Lewis bases, 11

Bidentate ligand complexes
^{13}C solid state CP/MAS NMR studies of EDTA complexes, L23
Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
disulphidothionitrate nitrosyl complexes of Ru(II), 253
homo- and hetero-binuclear complexes of new binucleating ligand, *N*,*N*'-bis(3-methoxy-carbonylsalicylidene)ethylenediamine, 173
hypersensitivity in 4f–4f absorption spectra of lanthanide(III) complexes, 261
kinetics of the oxidative addition of I to β-diketonatobis(triphenylphosphite)Rh(I) complexes, 35
metal complexes of 1,3-dimethylimidazolium-2-dithiocarboxylate, 223
new NMR evidence on uranyl–citrate complexes, 283
pH dependence of benzil hydrogenation with $[Co(dpnH)]^+$ as catalyst, L5
in presence of pyridine, L9
preparation and crystal and molecular structures of uranyl complexes of 4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-thione and pyrazol-3-one analogue, 139
structure and reactivity of $H_3O_2^-$ bridging ligand in *trans*-hydroxoaquabis(ethylenediamine)-Rh(III), L41
studies on dioxouranium(VI) complexes of *N*-(salicylidene)-L-valine and *N*-(orthovanillidene)-L-valine, 265
synthesis and characterization
of acetazolamide complexes of Co(II) and and Zn(II), 103
of new non-linear trimetallic complex, hexakis-(2,2'-bipyridine)(μ-dipyrazino[2,3-f][2',3'-h]quinoxaline)trisruthenium(II) and related compounds, L13
vibrational study of dithioacetate complexes of Ni, Pd and Pt, 163
Binuclear complexes
sigma bond cleavage in coordinated dioxygen; case of μ-peroxo complex, $[(THF)_3Cl_2V^{III}$–(O_2^{2-})–$V^{III}Cl_2(THF)_3]$ and vanadyl formation in solution, 51
synthesis and solid state structure of bis(μ-acetate)-bis(*p*-methylbenzyl)bis(trimethylphosphine)-dimolybdenum (Mo≡Mo), $Mo_2(O_2CCH_3)_2$-$(CH_2Ph$-*p*-Me$)_2(PMe_3)_2$, 87

Cadmium complexes
direct electrochemical synthesis of Zn and Cd catecholates and related compounds, 75
Carbonyl complexes
Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
isomerization or CO dissociation for metal carbonyl substitution reactions? mechanistic dilemma, L17
study of catalysts derived from supported Co carbonyl clusters; CO hydrogenation and XPS analysis, 153
syntheses and characterization of electron-deficient complex $(TMPO)V(CO)_3$, L45
Catalysis
benzylic acyloxylation of alkyl aromatics using mixed Pd Zn acetate catalyst, L31

© Elsevier Sequoia/Printed in Switzerland

catalytic oxygenation of pyrocatechols by O_2 in presence of V; synthesis, characterization, electronic structure and reactivity of V(IV)/-tetrachloro-*o*-quinone system, 1
pH dependence of benzil hydrogenation with $[Co(dpnH)]^+$ as catalyst, L5
in presence of pyridine, L9
study of catalysts derived from supported Co carbonyl clusters; CO hydrogenation and XPS analysis, 153
Catecholate complexes
direct electrochemical synthesis of Zn and Cd catecholates and related compounds, 75
Chelate complexes
convenient synthesis, properties and structure of tetramethylammonium tris(pyrimidine-2-thiolato)ferrate(II); Fe complex with three stable four-membered *N,S*-chelate rings, 39
Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
disulphidothionitrate nitrosyl complexes of Ru(II), 253
new hydroxo-bridged Th(IV) dimer; preparation and structure of di-μ-hydroxo-bis[aquanitrato-(2,6-diacetylpyridinedisemicarbazone)Th(IV)] nitrate tetrahydrate, 273
hypersensitivity in 4f–4f absorption spectra of lanthanide(III) complexes, 261
new NMR evidence on uranyl–citrate complexes, 283
pH dependence of benzil hydrogenation with $[Co(dpnH)]^+$ as catalyst, L5
in presence of pyridine, L9
preparation and crystal and molecular structures of uranyl complexes of 4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-thione and pyrazol-3-one analogue, 139
studies on dioxouranium(VI) complexes of *N*-(salicylidene)-L-valine and *N*-(orthovanillidene)-L-valine, 265
tetraphenylborate salts of some tridentate chelates of Ni(II), 149
Chromium compounds
electronic spectrum of Cr(II) in diamagnetic and paramagnetic layer lattice host, 177
Cluster complexes
ferromagnetic and antiferromagnetic spin coupling in Ni_4O_4 cubane-type clusters with 4-amino-3,5-bis(hydroxymethyl)-1,2,4-triazole as ligand; X-ray structure of new dumbbell-like double cubane cluster, 205
infinite delocalization in one and two dimensions; lanthanide and early transition metal halide clusters built from fused octahedra, 91
study of catalysts derived from supported Co carbonyl clusters; CO hydrogenation and XPS analysis, 153
Cobalt complexes
homo- and hetero-binuclear complexes of new binucleating ligand, *N,N'*-bis(3-methoxy-carbonylsalicylidene)ethylenediamine, 173
kinetics and mechanisms of reactions of Ni(II) and Co(II) with 2-aceto-1,8-dihydroxynaphthalene, 2,2'-dihydroxybenzophenone and 1,5-diphenyl-pentane-1,3,5-trione in methanol–water (70:30 *v/v*) solution, 61
kinetics of reducing reaction of tris(oxalato)-cobaltate(III) ion induced by reaction between Cu(II) and thiosulfate in aqueous solution, 69
kinetic study of reactions of *meso*-tetrakis(*p*-sulfonato)porphinatodiaquorhodate(III) and *meso*-tetrakis(4-*N*-methylpyridyl)porphine-diaquocobalt(III) with thiourea in aqueous solution, 21
pH dependence of benzil hydrogenation with $[Co(dpnH)]^+$ as catalyst, L5
in presence of pyridine, L9
reaction of bis(diethylenetriamine)Co(III) with formaldehyde and ammonia, 199
stoichiometric, structural and thermal investigations on Cu(II), Ni(II) and Co(II) coordination compounds of some acid hydrazide bases, 257
study of catalysts derived from supported Co carbonyl clusters; CO hydrogenation and XPS analysis, 153
synthesis and characterization of acetazolamide complexes of Co(II) and Zn(II), 103
synthesis of $Co_2(NO)_3^+$ metallic core stabilized by two bridging aminophosphines, with BPh_4^- as denitrosylating reagent, L11
Coordination compounds
seat-ligand fitting in coordination space
introduction of 'coordination seat', 227
ligand exchange and rearrangement due to awkward packing, 245
seat and geometrical frame – pre-bonding molecular structures, 235
Copper complexes
Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
EPR study of local and cooperative symmetry effects in *N*-salicylideneglycinatocopper(II) complexes, 81
homo- and hetero-binuclear complexes of new binucleating ligand, *N,N'*-bis(3-methoxy-carbonylsalicylidene)ethylenediamine, 173
kinetics and mechanisms of oxidation of Ni(II) and Cu(II) macrocycles by aquasilver(II) in acidic perchlorate media, 99
preparation, spectroscopic and magnetic characterization of two pseudo layered Cu(II) systems; X-ray structures of bis(thiocyanato-*N*)bis-([1,2,4]triazolo[1,5-*a*]pyrimidine-N^3)Cu(II) and dichlorobis([1,2,4]triazolo[1,5-*a*]-pyrimidine-N^3)Cu(II), 217
stoichiometric, structural and thermal investigations on Cu(II), Ni(II) and Co(II) coordination compounds of some acid hydrazide bases, 257

Crown ether complexes
low temperature (−150 °C) structure of [Y-$(OH_2)_8$]Cl_3·(15-crown-5), 277
Crystal structure(s)
of bis(thiocyanato-*N*)bis([1,2,4]triazolo[1,5-*a*]-pyrimidine-N^3)Cu(II) and dichlorobis([1,2,4]-triazolo[1,5-*a*]pyrimidine-N^3)Cu(II), 217
of 1-butanethiolatomercury(II)perchlorate, pyridinium tris(1-butanethiolato)mercurate-(II) and pyridinium tris(thiophenolato)-mercurate(II), 47
of Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
of di-μ-hydroxo-bis[aquanitrato(2,6-diacetyl-pyridinedisemicarbazone)Th(IV)] nitrate tetrahydrate, 273
of $H_3O_2^-$ bridging ligand in *trans*-hydroxoaqua-bis(ethylenediamine)Rh(III), L41
of $Mo_2(O_2CCH_3)_2(CH_2Ph\text{-}p\text{-}Me)_2(PMe_3)_2$, 87
Ni_4O_4 cubane-type clusters with 4-amino-3,5-bis-(hydroxymethyl)-1,2,4-triazole as ligand; new dumbbell-like double cubane cluster, 205
of tetramethylammonium tris(pyrimidine-2-thiolate)ferrate(II), 39
of UI_4tmu_2 (tmu = tetramethylurea), 289
of uranyl complexes of 4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-thione and pyrazol-3-one analogue, 139
of [$Y(OH_2)_8$]Cl_3·(15-crown-5), 277
Cyclopentadienyl complexes
syntheses of new U complexes $Cl_2U(\pi\text{-}S_4N_4)$ and $(C_5H_5)_3UClAlCl_3$·THF, 119

Dinuclear complexes
homo- and hetero-binuclear complexes of new binucleating ligand, *N,N'*-bis(3-methoxy-carbonylsalicylidene)ethylenediamine, 173
new hydroxo-bridged Th(IV) dimer; preparation and structure of di-μ-hydroxo-bis[aquanitrato-(2,6-diacetylpyridinesemicarbazone)Th(IV)] nitrate tetrahydrate, 273
synthesis of $Co_2(NO)_3^+$ metallic core stabilized by two bridging aminophosphines, with BPh_4^- as denitrosylating reagent, L11
vibrational study of dithioacetate complexes of Ni, Pd and Pt, 163
Dithiocarboxylate complexes
metal complexes of 1,3-dimethylimidazolium-2-dithiocarboxylate, 223

Electrochemistry
direct electrochemical synthesis of Zn and Cd catecholates and related compounds, 75
IR spectroelectrochemistry of hexakis(xylyl isocyanide)Mo(0), L1
voltammetry of Zn tetraphenylporphyrin in solution and in polymer films; effect of axial ligands, 31
Zn|Al salt (aq)|MnO_2 galvanic cell with high voltage and high energy density, L21
Electronic structure(s)
electronic spectrum of Cr(II) in diamagnetic and paramagnetic layer lattice host, 177
hypersensitivity in 4f–4f absorption spectra of lanthanide(III) complexes, 261
seat-ligand fitting in coordination space
introduction of 'coordination seat', 227
ligand exchange and rearrangement due to awkward packing, 245
seat and geometrical frame – pre-bonding molecular structures, 235
of V(IV)/tetrachloro-*o*-quinone system, 1
Europium complexes
circularly polarized luminescence spectroscopy of mixed-ligand complexes of Eu(III) with 2,6-pyridine-dicarboxylic acid and L-malic acid, 119

Halide complexes
coordinating properties of some solvents; vibrational spectroscopic study of Hg(II) halides and Sb(V) chloride in solution; new concepts for Lewis basicity scales of solvents, 183
synthesis and characterization of UI_4L_2 complexes (L = bulky amide ligands) and crystal structure of UI_4tmu_2 (tmu = tetramethylurea), 289
Hydride complexes
Pt(II) hydride of tris(2-diphenylphosphino)ethyl)-phosphine; novel five-coordinate Pt mono-hydride, L27
Hydrogenation
pH dependence of benzil hydrogenation with $[Co(dpnH)]^+$ as catalyst, L5
in presence of pyridine, L9
study of catalysts derived from supported Co carbonyl clusters; CO hydrogenation and XPS analysis, 153
Hydroxo complexes
new hydroxo-bridged Th(IV) dimer; preparation and structure of di-μ-hydroxo-bis[aquanitrato-(2,6-diacetylpyridinedisemicarbazone)Th(IV) nitrate tetrahydrate, 273

Iron complexes
convenient synthesis, properties and structure of tetramethylammonium tris(pyrimidine-2-thiolato)ferrate(II); Fe complex with three stable four-membered *N,S*-chelate rings, 39
synthesis of organohydroxylamine complexes of Fe(II) tetraphenylporphyrin, L37
Isocyanide complexes
IR spectroelectrochemistry of hexakis(xylyl isocyanide)Mo(0), L1

Kinetics and mechanism
isomerization or CO dissociation for metal carbonyl substitution reactions? mechanistic dilemma, L17
kinetic study of reactions of *meso*-tetrakis(*p*-sulfonato)porphinatodiaquorhodate(III) and *meso*-tetrakis(4-*N*-methylpyridyl)porphinediaquocobalt(III) with thiourea in aqueous solution, 21
of oxidation of Ni(II) and Cu(II) macrocycles by aquasilver(II) in acidic perchlorate media, 99
of oxidative action of I to β-diketonatobis(triphenylphosphite)Rh(I) complexes, 35
of reactions of Ni(II) and Co(II) with 2-aceto-1,8-dihydroxynaphthalene, 2,2′-dihydroxybenzonephenone and 1,5-diphenylpentane-1,3,5-trione in methanol–water (70:30 *v*/*v*) solution, 61
of reducing reaction of tris(oxalato)cobaltate(III) ion induced by reaction between Cu(II) and thiosulfate in aqueous solution, 69

Lanthanide complexes
with compartmental Schiff bases, 127
hypersensitivity in 4f–4f absorption spectra of lanthanide(III) complexes, 261
infinite delocalization in one and two dimensions; lanthanide and early transition metal halide clusters built from fused octahedra, 91
Lewis base complexes
reaction of phenylmercury acetate with Lewis bases, 11
thermochemical study of reactions of Lewis bases with bis(ethane-1,2-dithiolato)Sn(IV) in benzene solution, 7
Luminescence
circularly polarized luminescence spectroscopy of mixed-ligand complexes of Eu(III) with 2,6-pyridine-dicarboxylic acid and L-malic acid, 123
on emission colour of luminescence of hexavalent U in oxides, 115

Macrocyclic ligand complexes
kinetics and mechanisms of oxidation of Ni(II) and Cu(II) macrocycles by aquasilver(II) in acidic perchlorate media, 99
Mercury complexes
coordinating properties of some solvents; vibrational spectroscopic study of Hg(II) halides and Sb(V) chloride in solution; new concepts for Lewis basicity scales of solvents, 183
reaction of phenylmercury acetate with Lewis bases, 11
stability of some Hg(II) phosphine complexes in pyridine, L33
structural study of 1-butanethiolatomercury(II)-perchlorate, pyridinium tris(1-butanethiolato)-mercurate(II) and pyridinium tris(thiophenolato)mercurate(II) in pyridine solution, 47
Metal complexes
^{13}C solid state CP/MAS NMR studies of EDTA complexes, L23
of 1,3-dimethylimidazolium-2-dithiocarboxylate, 223
isomerization or CO dissociation for metal carbonyl substitution reactions? mechanistic dilemma, L17
Molybdenum complexes
IR spectroelectrochemistry of hexakis(xylyl isocyanide)Mo(0), L1
^{95}Mo NMR spectra of tetrathiomolybdate(VI) complexes of d^8 metals, L19
synthesis and solid state structure of bis-(μ-acetate)bis(*p*-methylbenzyl)bis(trimethylphosphine)-dimolybdenum (Mo≡Mo), $Mo_2(O_2CCH_3)_2(CH_2Ph\text{-}p\text{-}Me)_2(PMe_3)_2$, 87

Nickel complexes
ferromagnetic and antiferromagnetic spin coupling in Ni_4O_4 cubane-type clusters with 4-amino-3,5-bis(hydroxymethyl)-1,2-4-triazole as ligand; X-ray structure of new dumbbell-like double cubane cluster, 205
homo- and hetero-binuclear complexes of new binucleating ligand, *N*,*N*′-bis(3-methoxycarbonylsalicylidene)ethylenediamine, 173
kinetics and mechanisms
of oxidation of Ni(II) and Cu(II) macrocycles by aquasilver(II) in acidic perchlorate media, 99
of reactions of Ni(II) and Co(II) with 2-aceto-1,8-dihydroxynaphthalene, 2,2′-dihydroxybenzophenone and 1,5-diphenylpentane-1,3,5-trione in methanol–water (70:30 *v*/*v*) solution, 61
oxovanadium(IV) and Ni(II) etioporphyrin I as models for petroporphyrins, L29
stoichiometric, structural and thermal investigations on Cu(II), Ni(II) and Co(II) coordination compounds of some acid hydrazide bases, 257
tetraphenylborate salts of some tridentate chelates of Ni(II), 149
vibrational study of dithioacetate complexes of Ni, Pd and Pt, 163
Nitrogen complexes
disulphidothionitrate nitrosyl complexes of Ru(II), 253
Nitron complexes
syntheses of new U complexes $Cl_2U(\pi\text{-}S_4N_4)$ and $(C_5H_5)_3UClAlCl_3\cdot THF$, 119
Nitrosyl complexes
disulphidothionitrate nitrosyl complexes of Ru(II), 253
synthesis of $Co_2(NO)_3^+$ metallic core stabilized by two bridging aminophosphines, with BPh_4^- as denitrosylating reagent, L11

$Tc(NX)Y_3(Me_2PhP)_2$ complexes (X = O or S; Y = Cl or Br); preparation, characterization and EPR studies, 15

Olefin complexes
Cu(I) diazadiene complexes with carbon monoxide, olefins and acetylenes, 107
Oxalate complexes
kinetics of reducing reaction of tris(oxalato)-cobaltate(III) ion induced by reaction between Cu(II) and thiosulfate in aqueous solution, 69
Oxidation
benzylic acyloxylation of alkyl aromatics using mixed Pd Zn acetate catalyst, L31
catalytic oxygenation of pyrocatechols by O_2 in presence of V; synthesis, characterization, electronic structure and reactivity of V(IV)/-tetrachloro-*o*-quinone system, 1
kinetics and mechanisms of oxidation of Ni(II) and Cu(II) macrocycles by aquasilver(II) in acidic perchlorate media, 99
kinetics of oxidative addition of I to β-diketonato-bis(triphenylphosphite)Rh(I) complexes, 35
Oxide complexes
on emission colour of luminescence of hexavalent U in oxides, 115
Oxo complexes
catalytic oxygenation of pyrocatechols by O_2 in presence of V; synthesis, characterization, electronic structure and reactivity of V(IV)/-tetrachloro-*o*-quinone system, 1
new NMR evidence on uranyl–citrate complexes, 283
preparation and crystal and molecular structures of uranyl complexes of 4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-thione and pyrazol-3-one analogue, 139
studies on dioxouranium(VI) complexes of *N*-(salicylidene)-L-valine and *N*-(orthovanillidene)-L-valine, 265

Palladium complexes
benzylic acyloxylation of alkyl aromatics using mixed Pd Zn acetate catalyst, L31
vibrational study of dithioacetate complexes of Ni, Pd and Pt, 163
Peroxo complexes
sigma bond cleavage in coordinated dioxygen; case of μ-peroxo complex, $[(THF)_3Cl_2V^{III}-(O_2^{2-})-V^{III}Cl_2(THF)_3]$ and vanadyl formation in solution, 51
Phosphine complexes
stability of some Hg(II) phosphine complexes in pyridine, L33
Platinum complexes
Pt(II) hydride of tris(2-(diphenylphosphino)ethyl)-phosphine; novel five-coordinate Pt mono-hydride, L27
vibrational study of dithioacetate complexes of Ni, Pd and Pt, 163
Polydentate ligand complexes
circularly polarized luminescence spectroscopy of mixed-ligand complexes of Eu(III) with 2,6-pyridine-dicarboxylic acid and L-malic acid, 123
convenient synthesis, properties and structure of tetramethylammonium tris(pyrimidine-2-thiolato)ferrate(II); Fe complex with three stable four-membered *N,S*-chelate rings, 39
ferromagnetic and antiferromagnetic spin coupling in Ni_4O_4 cubane-type clusters with 4-amino-3,5-bis(hydroxymethyl)-1,2,4-triazole as ligand; X-ray structure of new dumbbell-like double cubane cluster, 205
new hydroxo-bridged Th(IV) dimer; preparation and structure of di-μ-hydroxo-bis[aquanitrato-(2,6-diacetylpyridinedisemicarbazone)Th(IV)] nitrate tetrahydrate, 273
kinetics and mechanisms of reactions of Ni(II) and Co(II) with 2-aceto-1,8-dihydroxynaphthalene, 2,2'-dihydroxybenzophenone and 1,5-diphenyl-pentane-1,3,5-trione in methanol–water (70:30 *v/v*) solution, 61
Pt(II) hydride of tris(2-(diphenylphosphino)ethyl)-phosphine; novel five-coordinate Pt mono-hydride, L27
reaction of bis(diethylenetriamine)Co(III) with formaldehyde and ammonia, 199
tetraphenylborate salts of some tridentate chelates of Ni(II), 149
Polymer complexes
voltammetry of Zn tetraphenylporphyrin in solution and in polymer films; effect of axial ligands, 31
Porphyrin complexes
electronic and solvent effects in reaction of Zn porphyrins with metal imidazolate complex or 1-methylimidazole, 25
kinetic study of reactions of *meso*-tetrakis(*p*-sulfonato)porphinatodiaquorhodate(III) and *meso*-tetrakis(4-*N*-methylpyridyl)porphinedi-aquocobalt(III) with thiourea in aqueous solution, 21
oxovanadium(IV) and Ni(II) etioporphyrin I as models for petroporphyrins, L29
synthesis of organohydroxylamine complexes of Fe(II) tetraphenylporphyrin, L37
voltammetry of Zn tetraphenylporphyrin in solution and in polymer films; effect of axial ligands, 31

Rhodium complexes
kinetic study of reactions of *meso*-tetrakis(*p*-sulfonato)porphinatodiaquorhodate(III) and *meso*-tetrakis(4-*N*-methylpyridyl)porphinedi-aquocobalt(III) with thiourea in aqueous solution, 21

kinetics of oxidative addition of I to β-diketonato-bis(triphenylphosphite)Rh(I) complexes, 35
structure and reactivity of $H_3O_2^-$ bridging ligand in *trans*-hydroxoaquabis(ethylenediamine)-Rh(III), L41
Ruthenium complexes
disulphidothionitrate nitrosyl complexes of Ru(II), 253
synthesis and characterization of new non-linear trimetallic complex, hexakis(2,2′-bipyridine)-(μ-dipyrazino[2,3-f][2′,3′-h]quinoxaline)tris-ruthenium(II) and related compounds, L13

Schiff base complexes
EPR study of local and cooperative symmetry effects in *N*-salicylideneglycinatocopper(II) complexes, 81
lanthanide complexes with compartmental Schiff bases, 127
stoichiometric, structural and thermal investigations on Cu(II), Ni(II) and Co(II) coordination compounds of some acid hydrazide bases, 257
Sulfur complexes
disulphidothionitrate nitrosyl complexes of Ru(II), 253
^{95}Mo NMR spectra of tetrathiomolybdate(VI) complexes of d^8 metals, L19
syntheses of new U complexes $Cl_2U(\pi\text{-}S_4N_4)$ and $(C_5H_5)_3UClAlCl_3\cdot THF$, 119

Technetium complexes
$Tc(NX)Y_3(Me_2PhP)_2$ complexes (X = O or S; Y = Cl or Br); preparation, characterization and EPR studies, 15
Thermochemistry
thermochemical study of reactions of Lewis bases with bis(ethane-1,2-dithiolato)Sn(IV) in benzene solution, 7
Thiocyanate complexes
preparation, spectroscopic and magnetic characterization of two pseudo layered Cu(II) systems; X-ray structures of bis(thiocyanato-*N*)bis([1,2,4]triazolo[1,5-*a*]pyrimidine-N^3)Cu(II) and dichlorobis([1,2,4]triazolo[1,5-*a*]-pyrimidine-N^3)Cu(II), 217
Thiolato complexes
structural study of 1-butanethiolatomercury(II)-perchlorate, pyridinium tris(1-butanethiolato)-mercurate(II) and pyridinium tris(thio-phenolato)mercurate(II) in pyridine solution, 47
Thionitrosyl complexes
$Tc(NX)Y_3(Me_2PhP)_2$ complexes (X = O or S; Y = Cl or Br); preparation, characterization and EPR studies, 15
Thorium complexes
new hydroxo-bridged Th(IV) dimer; preparation and structure of di-μ-hydroxo-bis[aquanitrato-(2,6-diacetylpyridinedisemicarbazone)Th(IV) nitrate tetrahydrate, 273
Tin complexes
thermochemical study of reactions of Lewis bases with bis(ethane-1,2-dithiolato)Sn(IV) in benzene solution, 7
Transition metal complexes
infinite delocalization in one and two dimensions; lanthanide and early transition metal halide clusters built from fused octahedra, 91
Triazole complexes
preparation, spectroscopic and magnetic characterization of two pseudo layered Cu(II) systems; X-ray structures of bis(thiocyanato-*N*)bis([1,2,4]triazolo[1,5-*a*]pyrimidine-N^3)-Cu(II) and dichlorobis([1,2,4]triazolo[1,5-*a*]-pyrimidine-N^3)Cu(II), 217
Trinuclear complexes
synthesis and characterization of new non-linear trimetallic complex, hexakis(2,2′-bipyridine)-(μ-dipyrazino[2,3-f][2′,3′-h]quinoxaline)-trisruthenium(II) and related compounds, L13

Uranium complexes
on emission colour of luminescence of hexavalent U in oxides, 115
new NMR evidence on uranyl–citrate complexes, 283
preparation and crystal and molecular structures of uranyl complexes of 4-benzoyl-2,4-dihydro-5-methyl-2-phenyl-3H-pyrazol-3-thione and pyrazol-3-one analogue, 139
studies on dioxouranium(VI) complexes of *N*-(salicylidene)-L-valine and *N*-(orthovanillidene)-L-valine, 265
syntheses of new U complexes $Cl_2U(\pi\text{-}S_4N_4)$ and $(C_5H_5)_3UClAlCl_3\cdot THF$, 119
synthesis and characterization of UI_4L_2 complexes (L = bulky amide ligands) and crystal structure of UI_4tmu_2 (tmu = tetramethylurea), 289

Vanadium complexes
catalytic oxygenation of pyrocatechols by O_2 in presence of V; synthesis, characterization, electronic structure and reactivity of V(IV)/-tetrachloro-*o*-quinone system, 1
oxovanadium(IV) and Ni(II) etioporphyrin as models for petroporphyrins, L29
sigma bond cleavage in coordinated dioxygen; case of μ-peroxo complex, $[(THF)_3Cl_2V^{III}-(O_2^{2-})-V^{III}Cl_2(THF)_3]$ and vanadyl formation in solution, 51
syntheses and characterization of electron-deficient complex $(TMPO)V(CO)_3$, L45

Yttrium complexes
low temperature (−150 °C) structure of $[Y(OH_2)_8]Cl_3\cdot$(15-crown-5), 277

Zinc complexes
benzylic acyloxylation of alkyl aromatics using mixed Pd Zn acetate catalyst, L31
direct electrochemical synthesis of Zn and Cd catecholates and related compounds, 75
electronic and solvent effects in reaction of Zn porphyrins with metal imidazolate complex or 1-methylimidazole, 25
synthesis and characterization of acetazolamide complexes of Co(II) and Zn(II), 103
voltammetry of Zn tetraphenylporphyrin in solution and in polymer films; effect of axial ligands, 31
Zn|Al salt (aq)|MnO_2 galvanic cell with high voltage and high energy density, L21